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(PCT Administrative Instructions, Section 411)

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International publication date (day/month/year)	
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AUG. 2 9. 2005

MAEDA PATENT OFF

1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
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Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
11 May 2004 (11.05.2004)	2004-140696	JP	24 June 2005 (24.06.2005)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/008636

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ F04C18/32, F01C11/00, F04C23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ F04C18/32, F01C11/00, F04C23/00, F04C18/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 182995/1983 (Laid-open No. 90584/1985) (Mitsubishi Heavy Industries, Ltd.), 21 June, 1985 (21.06.85), Description; page 1, line 13 to page 3, line 14; page 6, lines 9 to 14; Figs. 1 to 4 (Family: none)	1-10
Y	US 2003/0194340 A1 (Shimao Ni), 16 October, 2003 (16.10.03), Par. Nos. [0028], [0036], [0039], [0040]; Figs. 1, 7, 8 & WO 2003/087540 A1 & JP 2005-522620 A	1-10

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

04 August, 2005 (04.08.05)

Date of mailing of the international search report

23 August, 2005 (23.08.05)

Name and mailing address of the ISA/

Japanese Patent Office

Authorized officer

Facsimile No.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/008636

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 8-128395 A (Hitachi, Ltd.), 21 May, 1996 (21.05.96), Par. No. [0037]; Fig. 5 (Family: none)	1-10
Y	JP 6-159278 A (Nippon Soken, Inc.), 07 June, 1994 (07.06.94), Par. No. [0033]; Fig. 2 & US 5399076 A	2
Y	JP 59-41602 A (Daikin Industries, Ltd.), 07 March, 1984 (07.03.84), Page 3, lower left column, lines 1 to 16; Fig. 4 (Family: none)	3
Y A	JP 2-37192 A (Sanden Corp.), 07 February, 1990 (07.02.90), Page 3, upper right column, lines 5 to 18; lower left column, lines 18 to 19; page 4, upper left column, lines 6 to 9; Fig. 1 & EP 0342057 A2 & US 4990071 A	6, 8 1-10
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 27762/1986 (Laid-open No. 138802/1987) (Mitsubishi Heavy Industries, Ltd.), 01 September, 1987 (01.09.87), Description; page 8, lines 1 to 5; Fig. 1 (Family: none)	6
Y	JP 2000-104677 A (Toshiba Corp.), 11 April, 2000 (11.04.00), Par. Nos. [0031] to [0033]; Fig. 2 (Family: none)	10
A	JP 9-4575 A (Hitachi, Ltd.), 07 January, 1997 (07.01.97), Par. Nos. [0043], [0045]; Fig. 8 & US 5775893 A	7
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 34566/1985 (Laid-open No. 151090/1986) (Mitsubishi Heavy Industries, Ltd.), 18 September, 1986 (18.09.86), Description, page 4, lines 16 to 18; Figs. 1 to 2 (Family: none)	1-10

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/008636

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 153491/1986 (Laid-open No. 60091/1988) (Mitsubishi Heavy Industries, Ltd.), 21 April, 1988 (21.04.88), Description; page 8, line 13 to page 9, line 12; Figs. 1 to 5 (Family: none)	10
A	JP 59-113289 A (Mitsuhiro TAMASAKI), 29 June, 1984 (29.06.84), Page 2, upper right column, line 2 to lower left column, line 8; Figs. 2 to 3 (Family: none)	10
A	WO 2002/088529 A1 (Masakazu NAKANO), 07 November, 2002 (07.11.02), Page 18, lines 1 to 6; page 19, lines 5 to 13; Figs. 16, 19 (Family: none)	10
P,A	US 2005/0031465 A1 (Nelik I. Dreiman), 10 February, 2005 (10.02.05), Par. No. [0024]; Figs. 3, 4 & JP 2005-54803 A & CA 2476741 A1	10